

MONOLITHIC SYSTEM TECHNOLOGY INC  
Form SC 13G  
February 07, 2003

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Information to be Included in Statements Filed  
Pursuant to Rules 13d-1(b), (c) and (d) and Amendments  
Thereeto Filed Pursuant to Rule 13d-2(b)

Under the Securities Exchange Act of 1934

(Amendment No. \_\_\_\_\_ )\*

Monolithic System Technology, Inc.

-----  
(Name of Issuer)

Common Stock, par value \$0.01

-----  
(Title of Class of Securities)

609842109

-----  
(CUSIP Number)

December 31, 2002

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this  
Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting  
person's initial filing on this form with respect to the subject class of  
securities, and for any subsequent amendment containing information which would  
alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not  
be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange  
Act of 1934 ("Act") or otherwise subject to the liabilities of that section of  
the Act but shall be subject to all other provisions of the Act (however, see  
the Notes).

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1 NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Granahan Investment Management, Inc. 04-2856200

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\* (a)   
Not applicable. (b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
Commonwealth of Massachusetts, United States

5 SOLE VOTING POWER  
NUMBER OF SHARES 333,200

6 SHARED VOTING POWER  
BENEFICIALLY OWNED BY EACH REPORTING PERSON 0

7 SOLE DISPOSITIVE POWER  
1,820,000

8 SHARED DISPOSITIVE POWER  
PERSON WITH 0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,820,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
5.80%

12 TYPE OF REPORTING PERSON\*  
IA

\*SEE INSTRUCTIONS BEFORE FILLING OUT

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- Item 1(a). Name of Issuer:  
Monolithic System Technology, Inc.
- Item 1(b). Address of Issuer's Principal Executive Offices:  
Monolithic System Technology, Inc.  
1020, Stewart Drive,  
Sunnyvale  
California 94085
- Item 2(a). Name of Person Filing:  
Granahan Investment Management, Inc.
- Item 2(b). Address of Principal Business Office or, if None, Residence:  
275 Wyman Street, Suite 270  
Waltham, MA 02154
- Item 2(c). Citizenship:  
Commonwealth of Massachusetts, United States
- Item 2(d). Title of Class of Securities:  
Common Stock, par value \$0.01
- Item 2(e). CUSIP Number:  
609842109
- Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:
- (a)  Broker or dealer registered under Section 15 of the Exchange Act.
  - (b)  Bank as defined in Section 3(a)(6) of the Exchange Act.
  - (c)  Insurance company as defined in Section 3(a)(19) of the Exchange Act.
  - (d)  Investment company registered under Section 8 of the Investment Company Act.
  - (e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
  - (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).

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- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
- (j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box.

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 1,820,000
- (b) Percent of class: 5.80%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 333,200
  - (ii) shared power to vote or to direct the vote: 0
  - (iii) sole power to dispose or to direct the disposition of: 1,820,000
  - (iv) shared power to dispose or to direct the disposition of: 0

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [ ].

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Item 6. Ownership of More than Five Percent on Behalf of Another Person

Certain other persons have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the class of securities which are subject to this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company

Not Applicable.

Item 8. Identification and Classification of Members of the Group

Not Applicable.

Item 9. Notice of Dissolution of Group

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Not Applicable.

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

GRANAHAN INVESTMENT MANAGEMENT, INC.

Date: February 7, 2003

By: /s/ John J. Granahan

-----  
Name/Title: John J. Granahan, President

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